


1.4 Hard- and Software Differences of the MOBOTIX M10/M12

To make a long story short – nothing changes with the basic functionality or the looks of the camera. Users, who have worked with M10 models before will not have any problems adjusting to a MOBOTIX M12.

Switching to the three times faster Intel "Bullverde" PXA270 processor with 520 MHz frequency has boosted image processing considerably, providing for notably higher image rates (up to 30 fps in VGA, up to 10 fps in MEGA resolution). The new hardware also brings new features, such as SIP video (Internet telephony with video) and new possibilities for extending the hardware (SD card, CF slots, MX Interface Connector, USB master pins for MOBOTIX expansion modules, etc.).

The following table shows the most important differences in the hardware and software:

	MOBOTIX M10	MOBOTIX M12
Hardware Differences		
Housing color	White	White
Wall/ceiling mount	Ball joint, SecureFlex mount for Secure models	SecureFlex mount covers RJ45 wall outlets and conceals the cabling (all models)
Lens options	Wide-angle L43, Tele 135	Super Wide-Angle L22 , wide-angle L43, Tele 135
Serial interface	D Sub 9	D Sub 15 HD
USB connector	--	USB master (for MX expansion modules)
SD card*	--	SD card for extra storage
CF slots**	--	CF slots for MOBOTIX expansion modules (wireless, storage, ...)
Line In/Out pins for external audio devices	--	External microphones/PA systems via D Sub 15 HD
Backup power supply	--	Backup power (6 to 12 V, max. 1 A) on D Sub 15 HD
ISDN power supply	Power supply via ISDN NT	Power supply via ISDN NT not possible, but can be injected into 8-wire cable (split cable required)
PoE power supply	MOBOTIX PoE products (MX-NPA + power supply / NPR-4/8/20)	MOBOTIX PoE products and standard PoE IEEE 802.3af
Software Differences		
Frame rate (fps)	25 CIF • 12 VGA • 4 MEGA	30 CIF • 30 VGA • 10 MEGA
SIP video	--	SIP video

* Available end of 2006

** Supported in future software versions; only installed at the factory!

The only limitation versus the M10 is the power supply via ISDN cable, which is not possible any more. This can only be achieved using the MOBOTIX PoE products and the ISDN split cable